Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116966.D
Acq On : 12 Sep 2019 00:14
Operator : HP/JU
Sample : K4806-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DRUM-COMP

Manual Integrations APPROVED
mohammad
9/16/2019 8:58:10 AM

Quant Time: Sep 12 07:46:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67853	20.00	ng		-0.01
21) Naphthalene-d8	8.10	136	275509	20.00	ng		-0.02
39) Acenaphthene-d10	9.85	164	145918	20.00	ng		-0.02
64) Phenanthrene-d10	11.33	188	246189	20.00	ng		-0.02
76) Chrysene-d12	13.97	240	181274	20.00	ng		-0.02
87) Perylene-d12	15.42	264	182787	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	387908	92.62	ng		-0.01
7) Phenol-d6	6.46	99	536135	97.48	ng		-0.02
23) Nitrobenzene-d5	7.38	82	321220	66.56	ng		-0.02
42) 2,4,6-Tribromophenol	10.64	330	103986	106.60	ng		-0.02
45) 2-Fluorobiphenyl	9.17	172	463738	53.61	ng		-0.02
79) Terphenyl-d14	12.92	244	383641	39.15	ng		-0.02
Target Compounds							Qvalue
50) Dimethylphthalate	9.57	163	122095	12.120	ng	#	97
71) Phenanthrene	11.36	178	89113	6.502	ng		98
75) Fluoranthene	12.55	202	139469	10.356	ng		99
78) Pyrene	12.77	202	128852	7.996	ng		99
81) Benzo(a)anthracene	13.96	228	77613	6.765	ng	#	92
83) Chrysene	13.99	228	82899	7.014	ng	#	93
84) Bis(2-ethylhexyl)phthalate	13.95	149	80085	8.279	ng	#	99
86) Indeno(1,2,3-cd)pyrene	16.84	276	34609	3.645	ng		95
88) Benzo(b)fluoranthene	15.00	252	74959m	6.783	ng		
89) Benzo(k)fluoranthene	15.02	252	29034m	2.881	ng		
90) Benzo(a)pyrene	15.35	252	53152	5.528	ng		94
92) Benzo(g,h,i)perylene	17.27	276	31998	3.728	ng		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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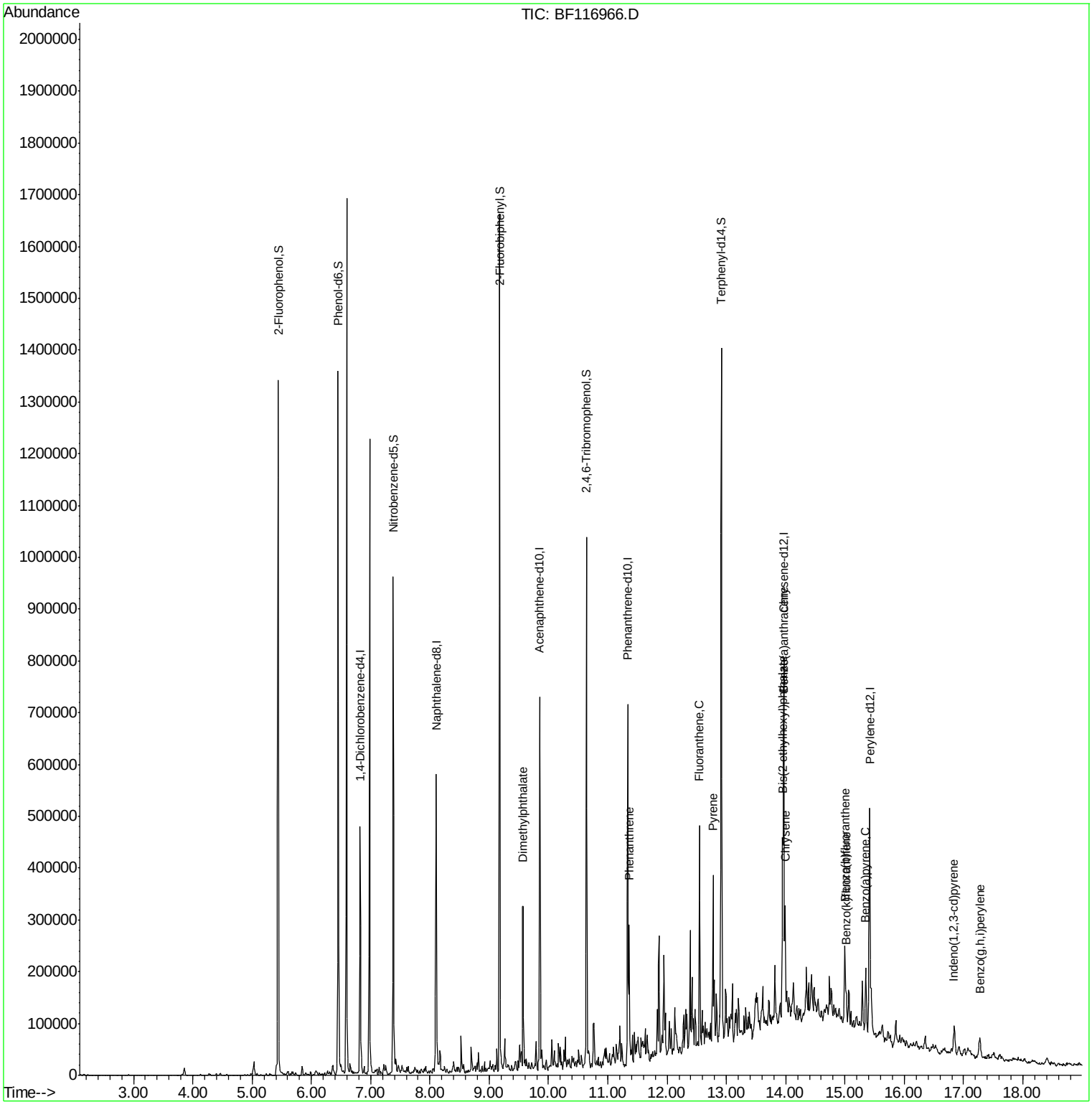
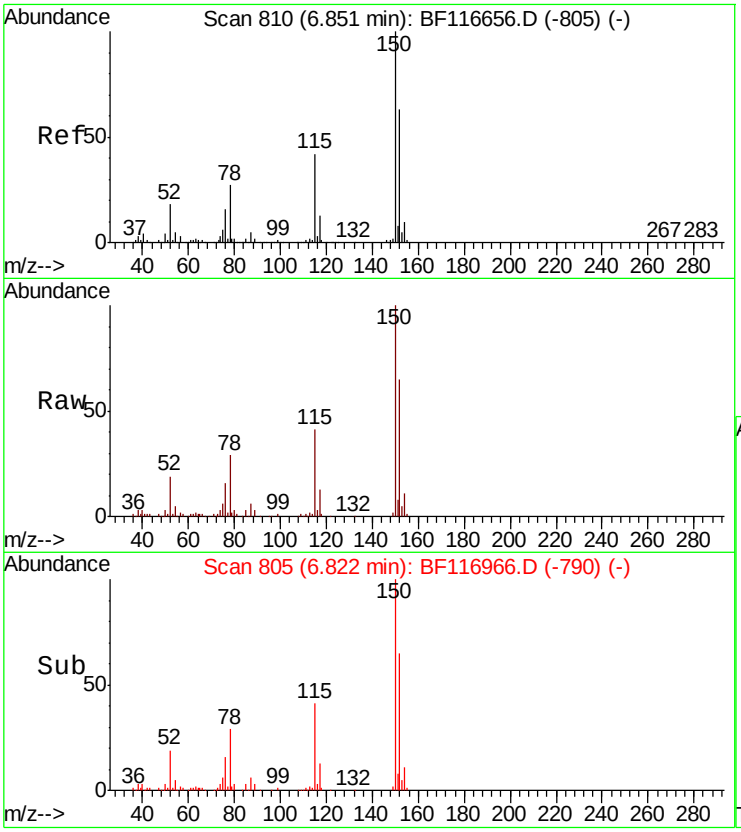
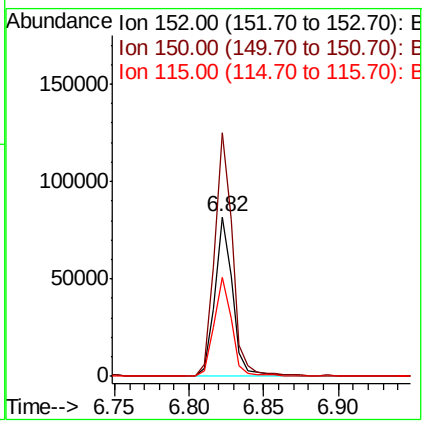




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:152 Resp: 67853

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.4	186.6
115	62.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

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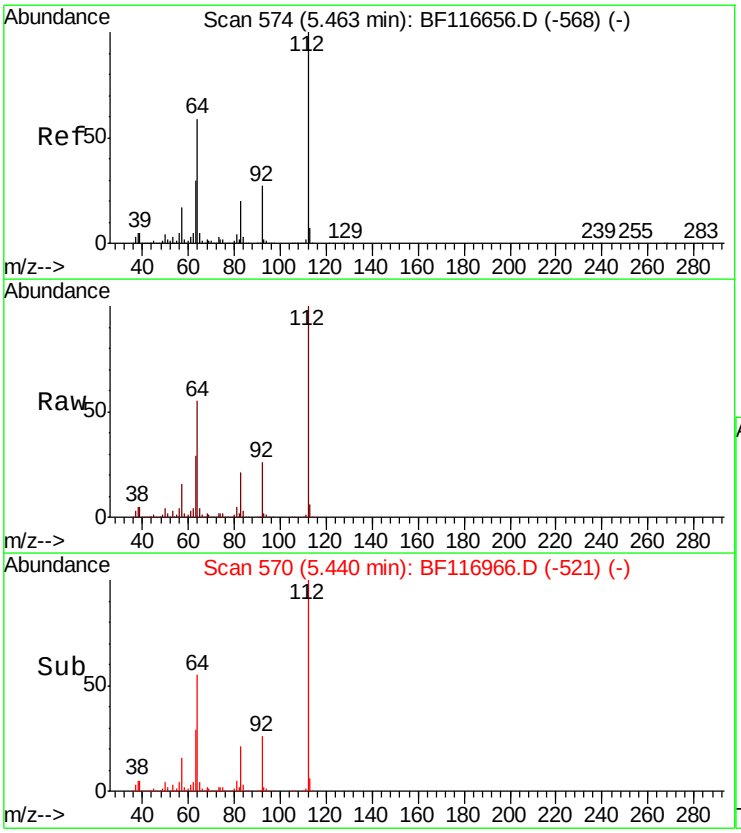
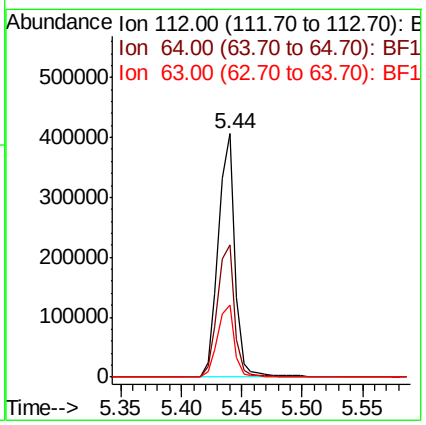
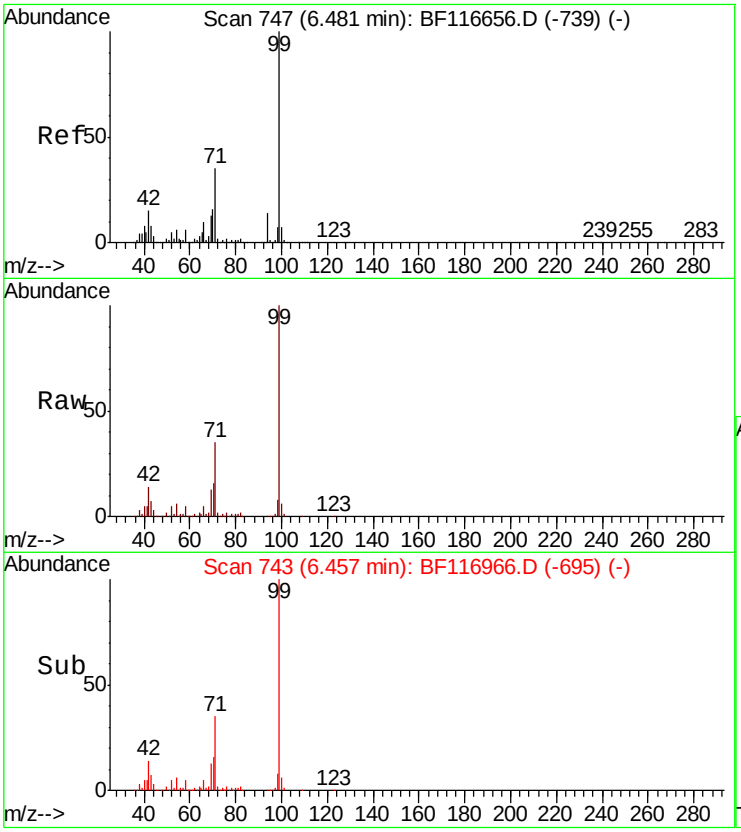


#5
2-Fluorophenol
Concen: 92.617 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:112 Resp: 387908

Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.1	70.7
63	29.5	24.9	37.3

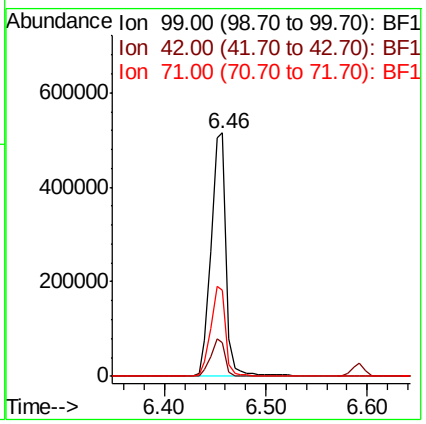




#7
Phenol-d6
Concen: 97.484 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion: 99 Resp: 536135

Ion	Ratio	Lower	Upper
99	100		
42	14.0	13.7	20.5
71	35.5	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

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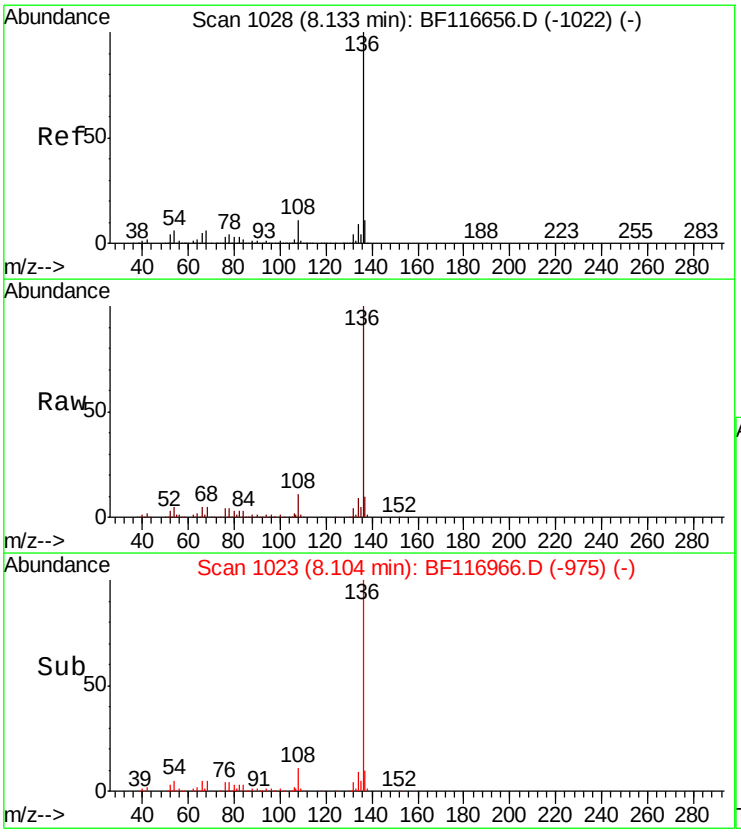
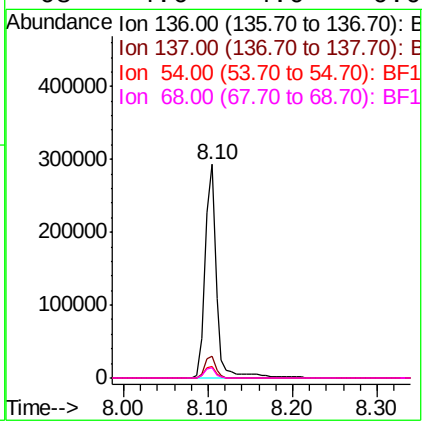
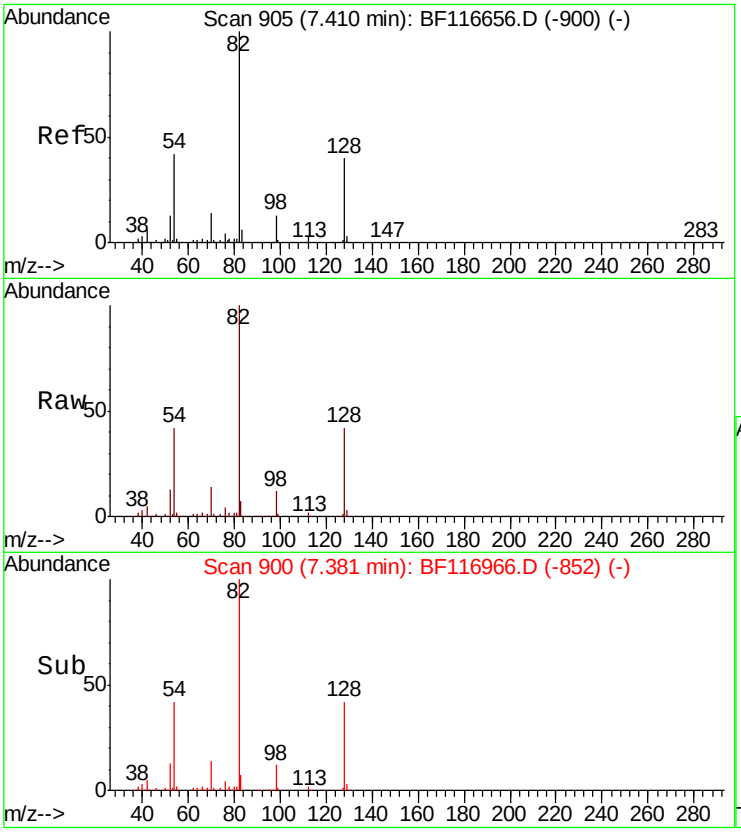


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:136 Resp: 275509

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	5.2	4.8	7.2
68	4.6	4.0	6.0

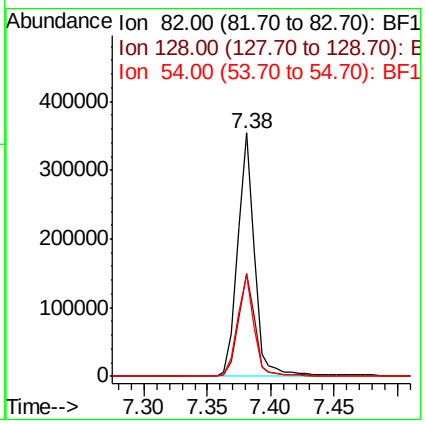




#23
Nitrobenzene-d5
Concen: 66.559 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion: 82 Resp: 321220

Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.8	49.2
54	41.5	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

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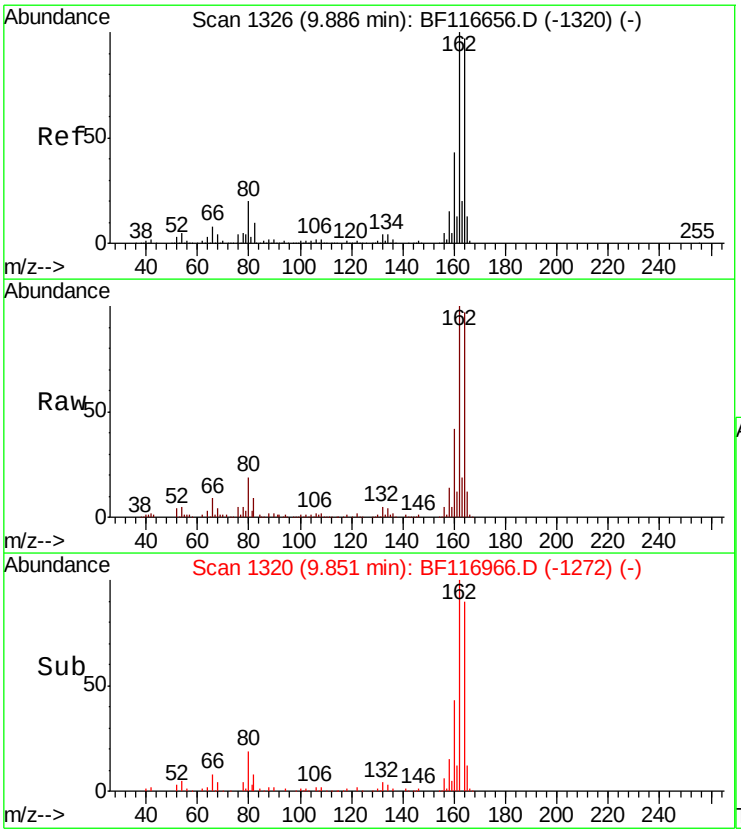
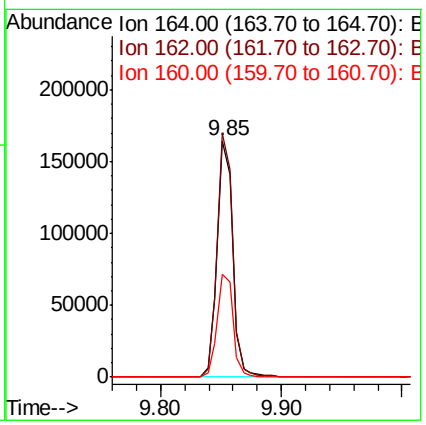
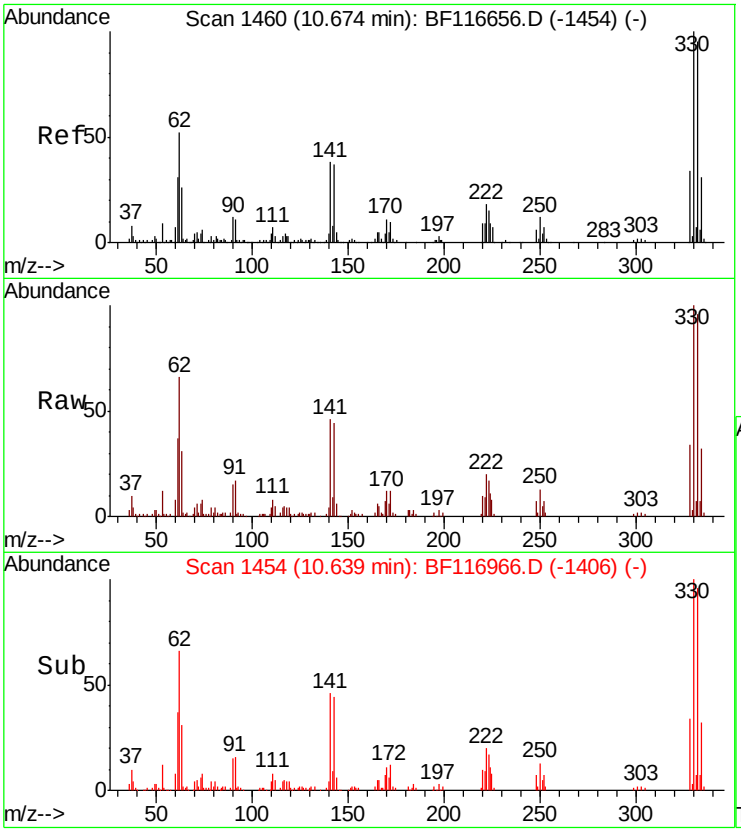


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:164 Resp: 145918

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.0
160	43.7	35.4	53.2

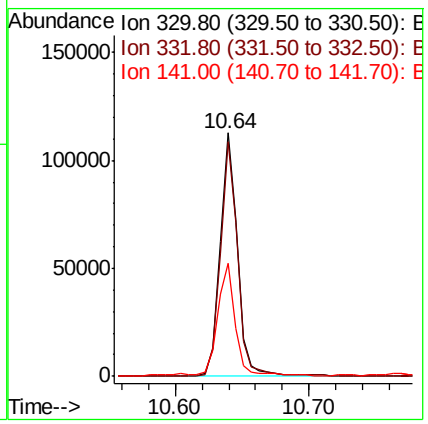




#42
2,4,6-Tribromophenol
Concen: 106.598 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:330 Resp: 103986

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	48.2	31.4	47.2#



Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

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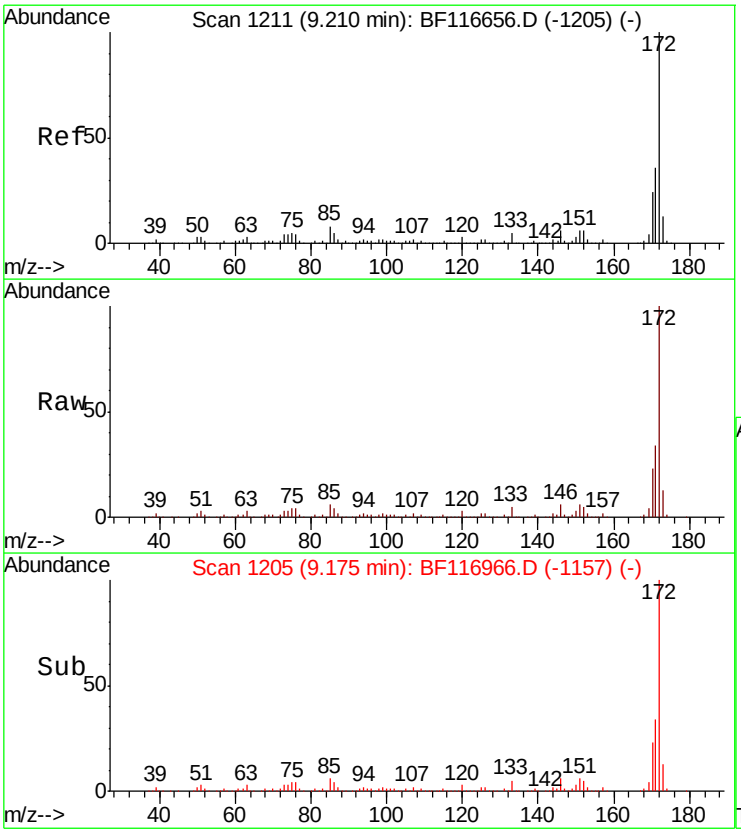
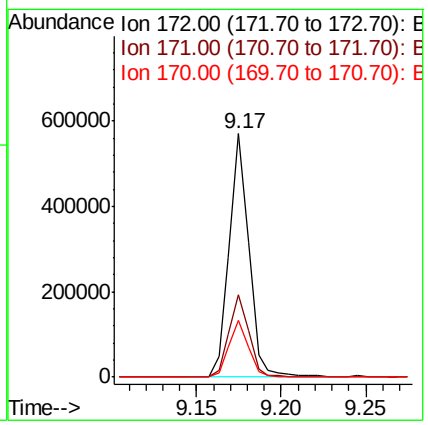
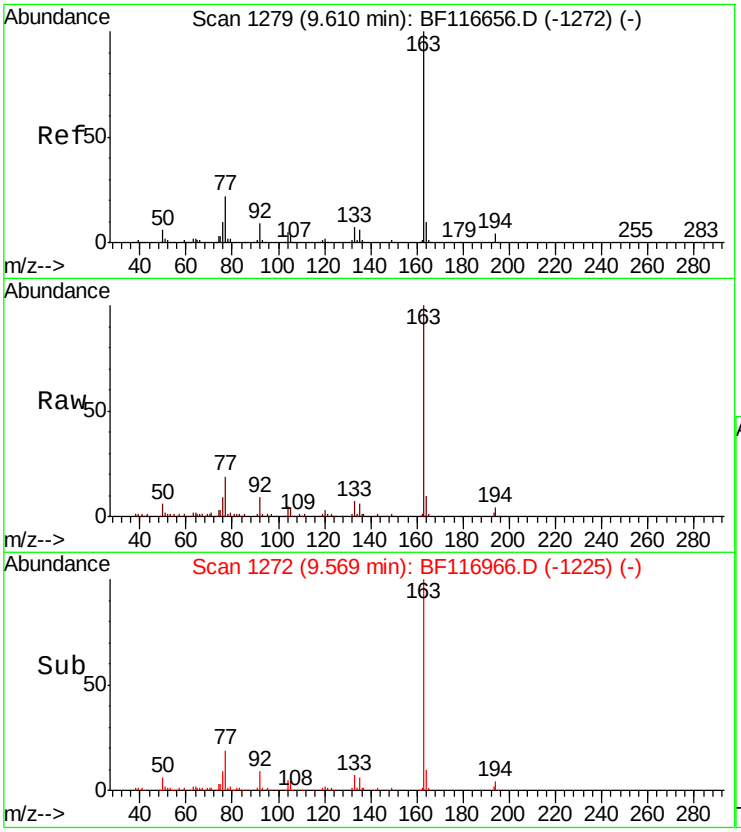


#45
2-Fluorobiphenyl
Concen: 53.611 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:172 Resp: 463738

Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.8	41.6
170	23.0	18.9	28.3

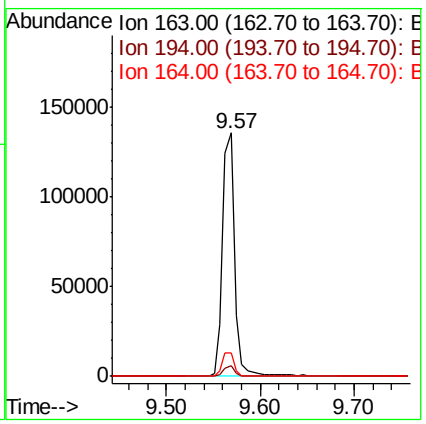




#50
Dimethylphthalate
Concen: 12.120 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:163 Resp: 122095

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.8	4.2#
164	9.6	8.6	12.8



Instrument :
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ClientSampleId :
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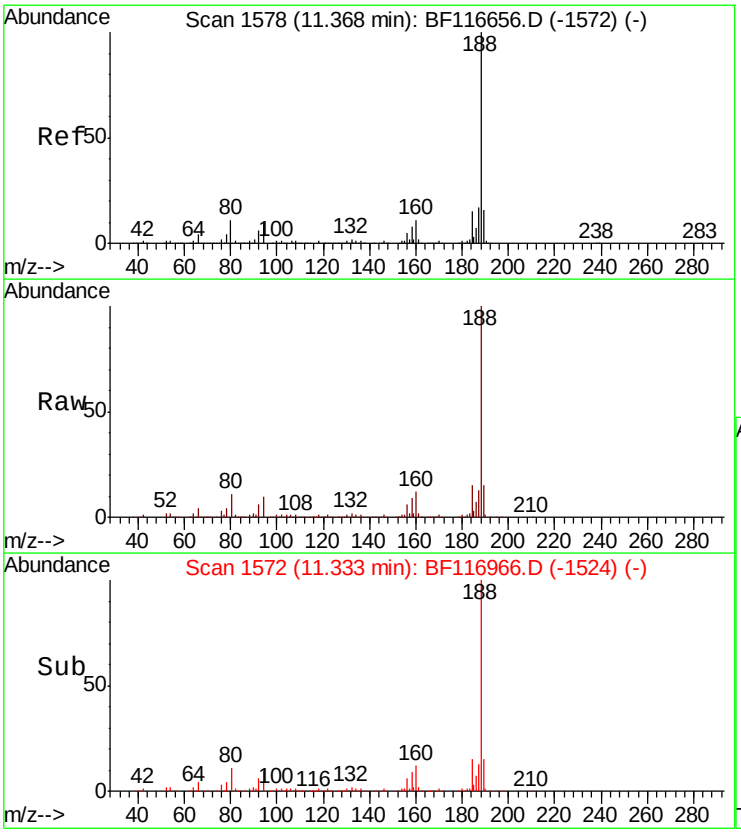
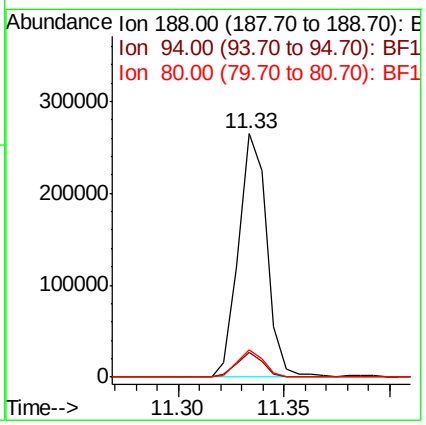
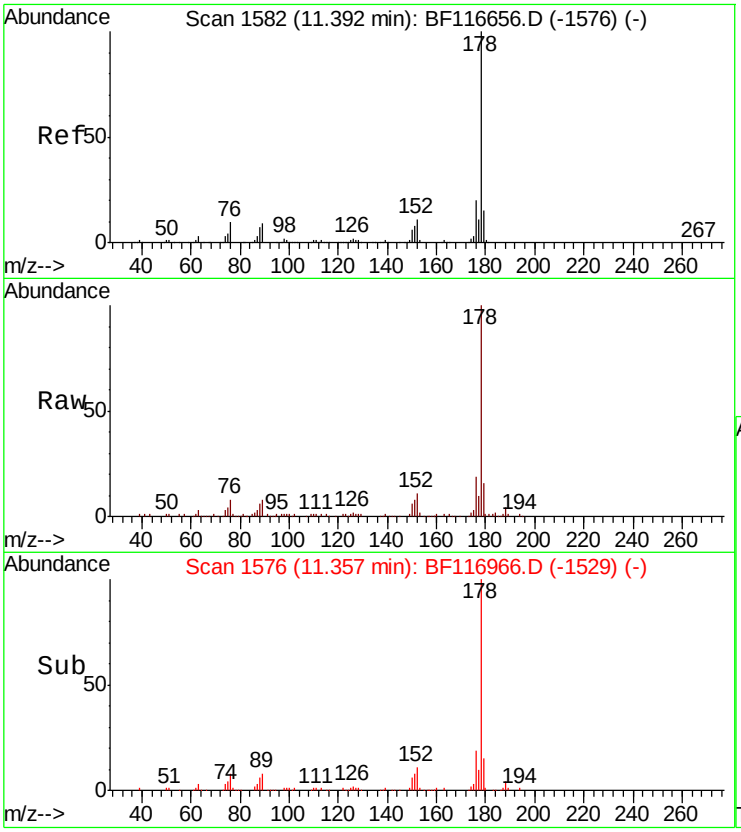


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:188 Resp: 246189

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.3	10.9
80	11.0	8.4	12.6

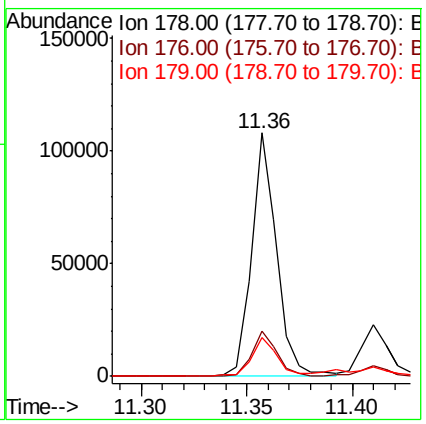




#71
Phenanthrene
Concen: 6.502 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:178 Resp: 89113

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.9	12.2	18.2



Instrument :
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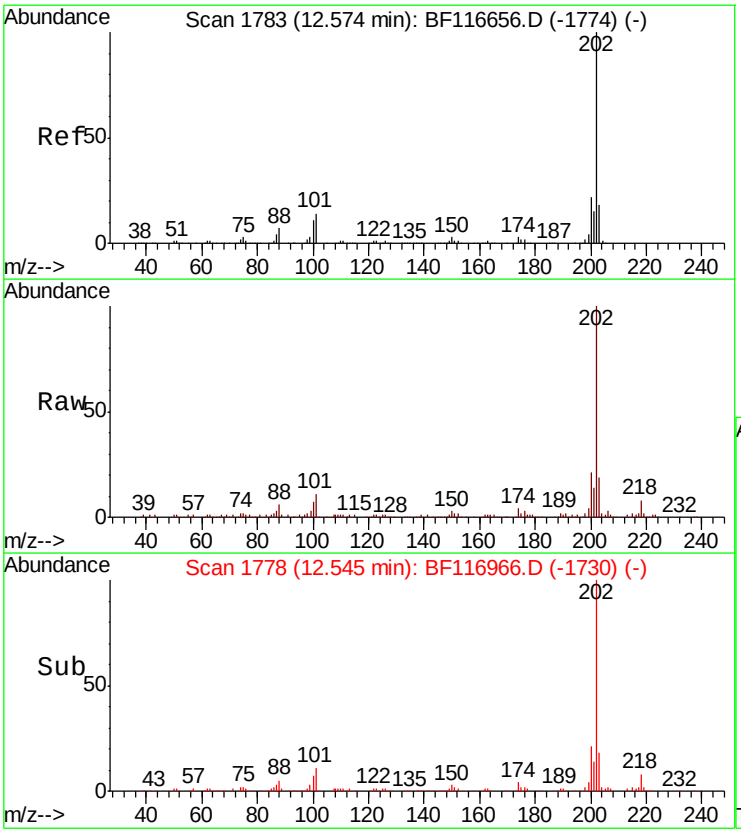
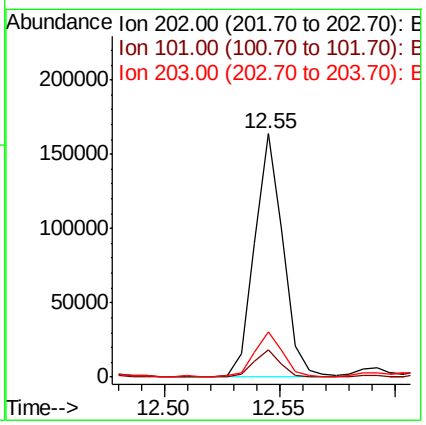
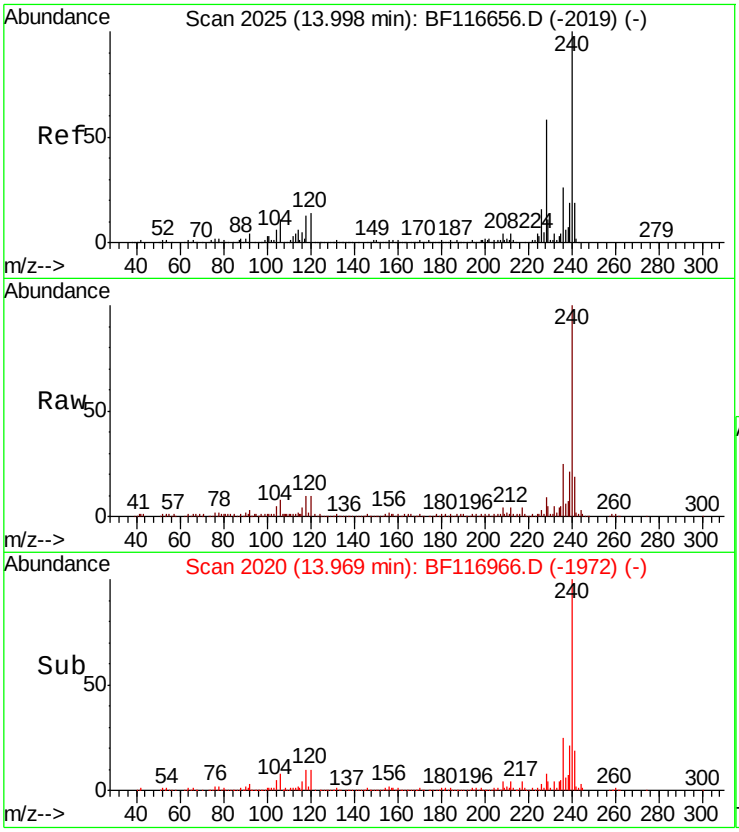


#75
Fluoranthene
Concen: 10.356 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:202 Resp: 139469

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	18.5	0.0	37.6

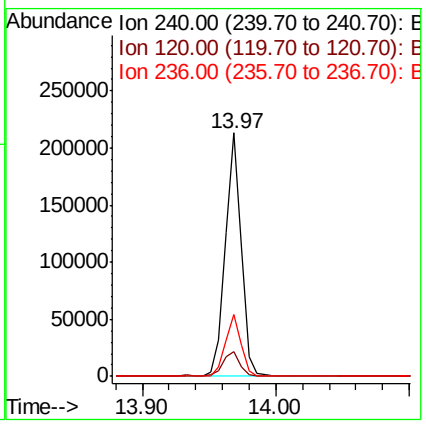




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:240 Resp: 181274

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.1	13.7
236	25.4	21.1	31.7



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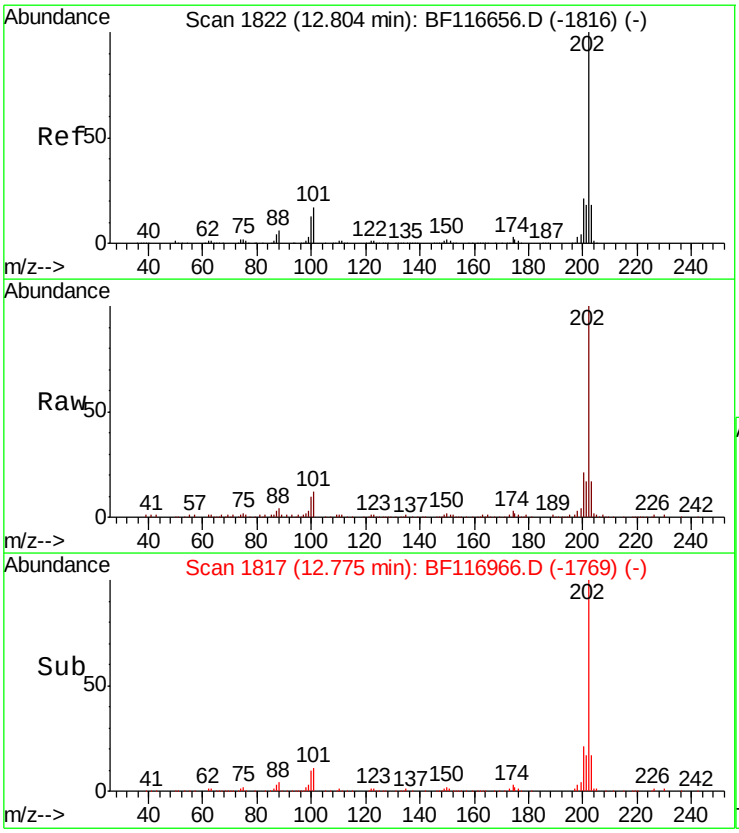
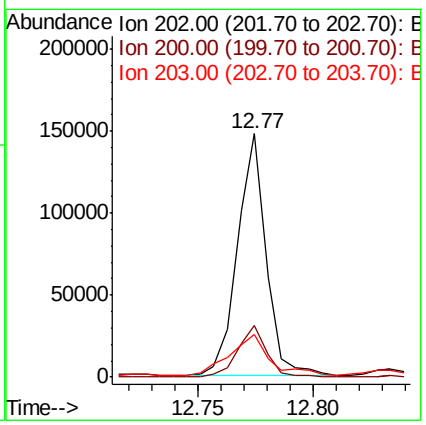
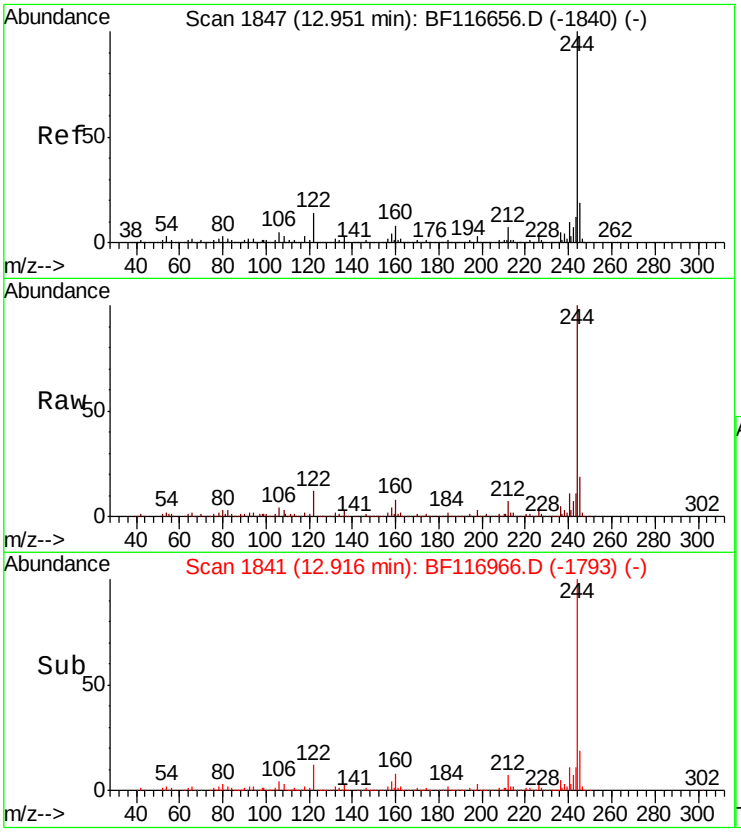


#78
Pyrene
Concen: 7.996 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:202 Resp: 128852

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.4	13.7	20.5

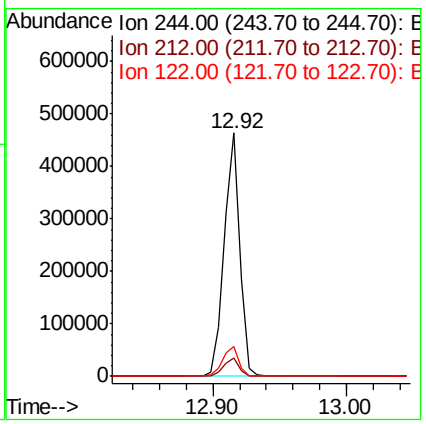




#79
Terphenyl-d14
Concen: 39.151 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:244 Resp: 383641

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.3	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
DRUM-COMP

Manual Integrations APPROVED
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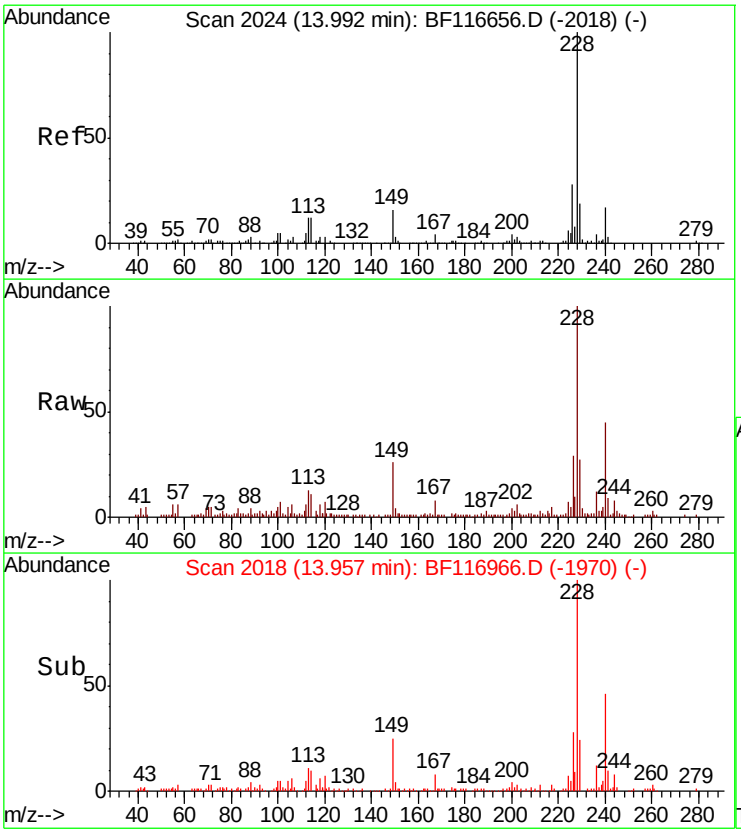
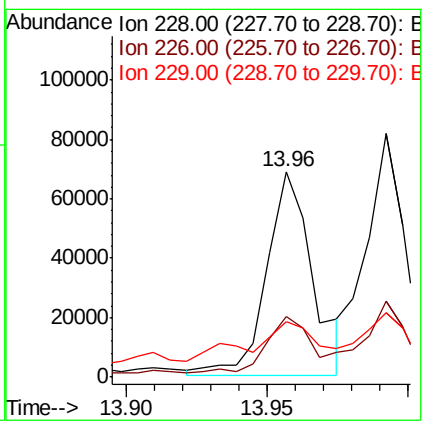
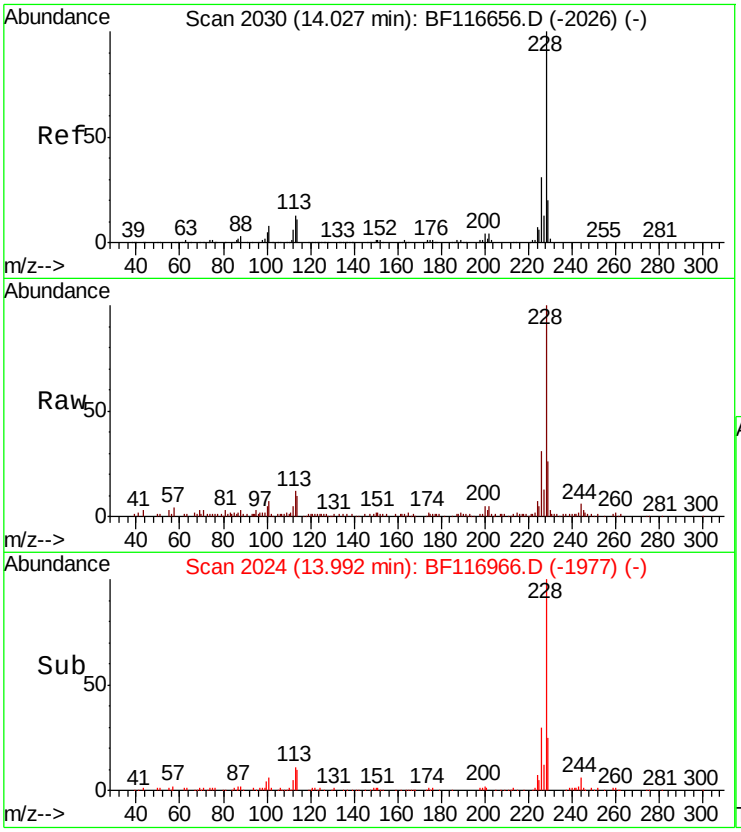


#81
Benzo(a)anthracene
Concen: 6.765 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:228 Resp: 77613

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.0	33.0
229	27.1	16.4	24.6#

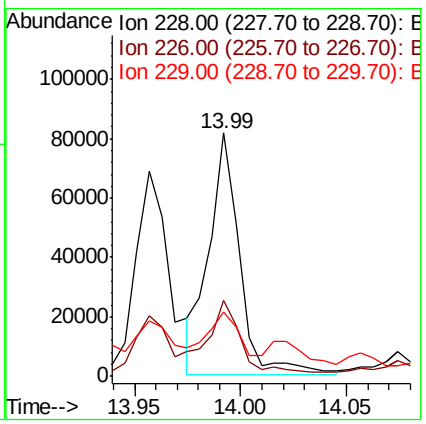




#83
Chrysene
Concen: 7.014 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:228 Resp: 82899

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	26.2	15.4	23.0#



Instrument :
BNA_F
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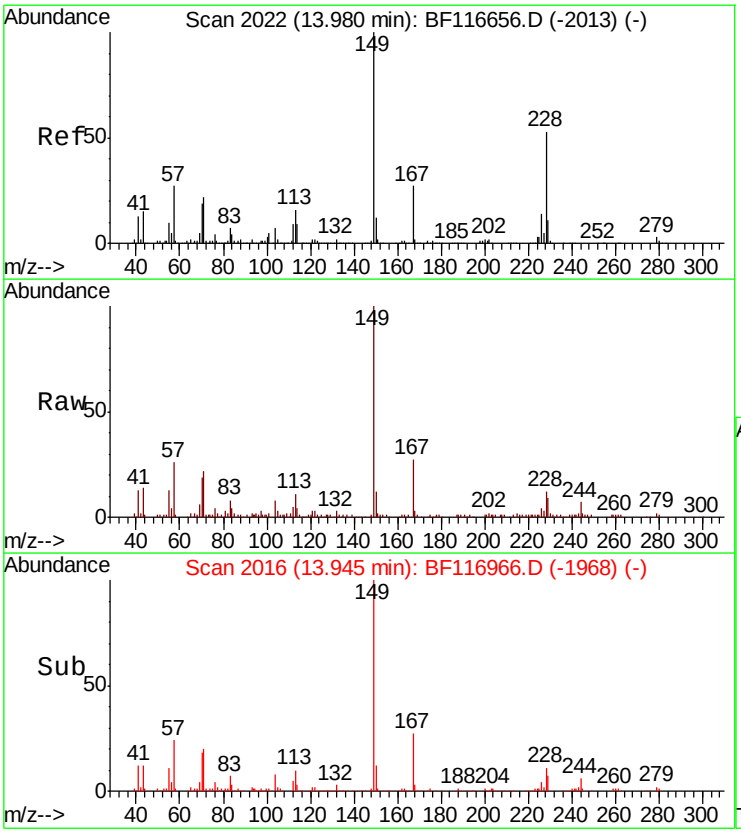
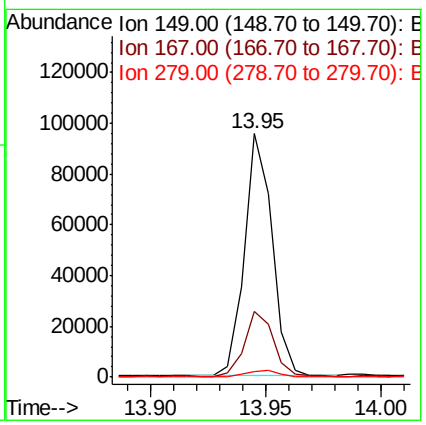
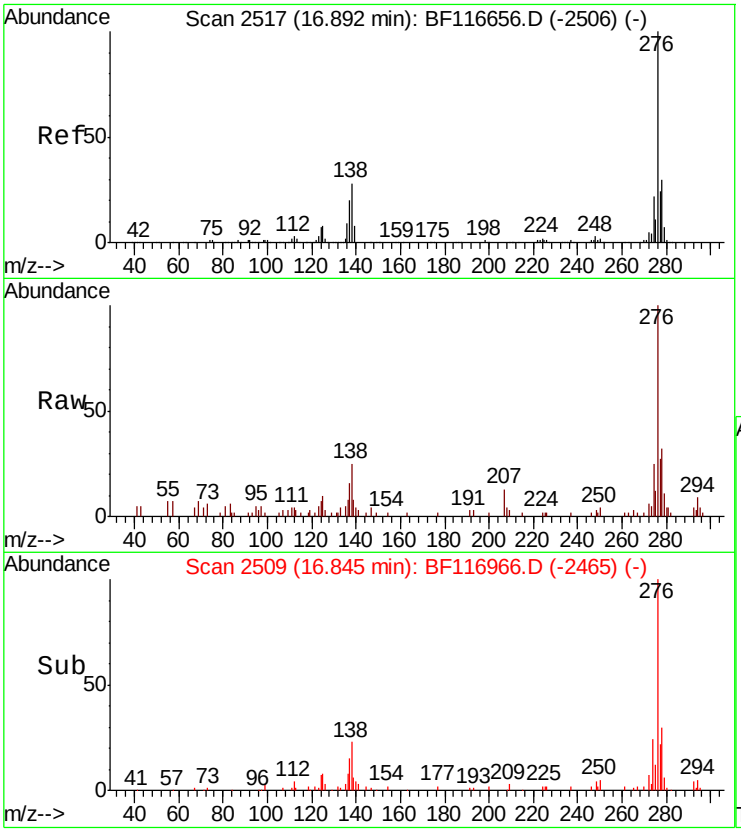


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.279 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:149 Resp: 80085

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.4
279	2.5	2.8	4.2#

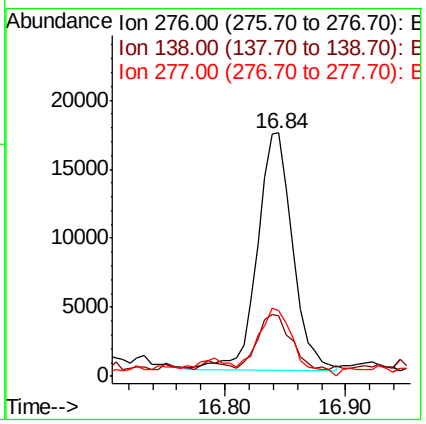




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.645 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.04 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:276 Resp: 34609

Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.2
277	29.6	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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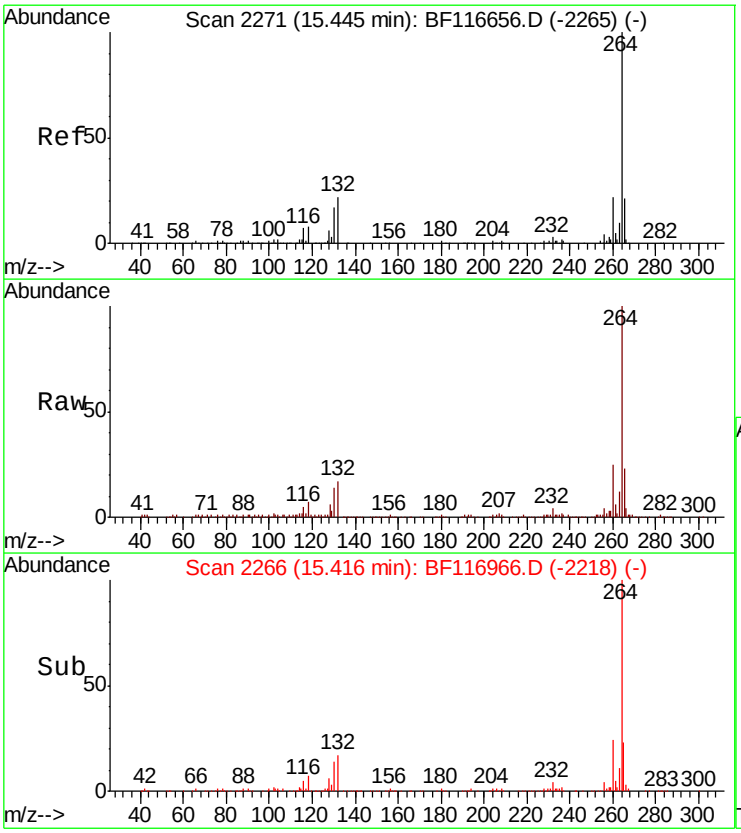
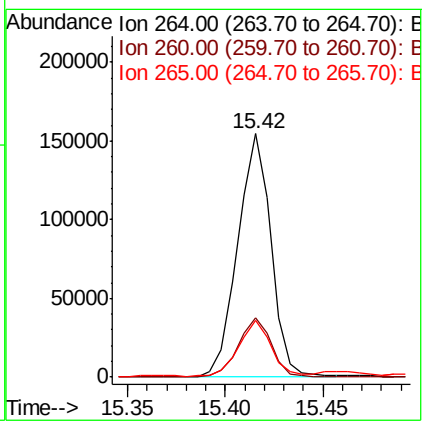
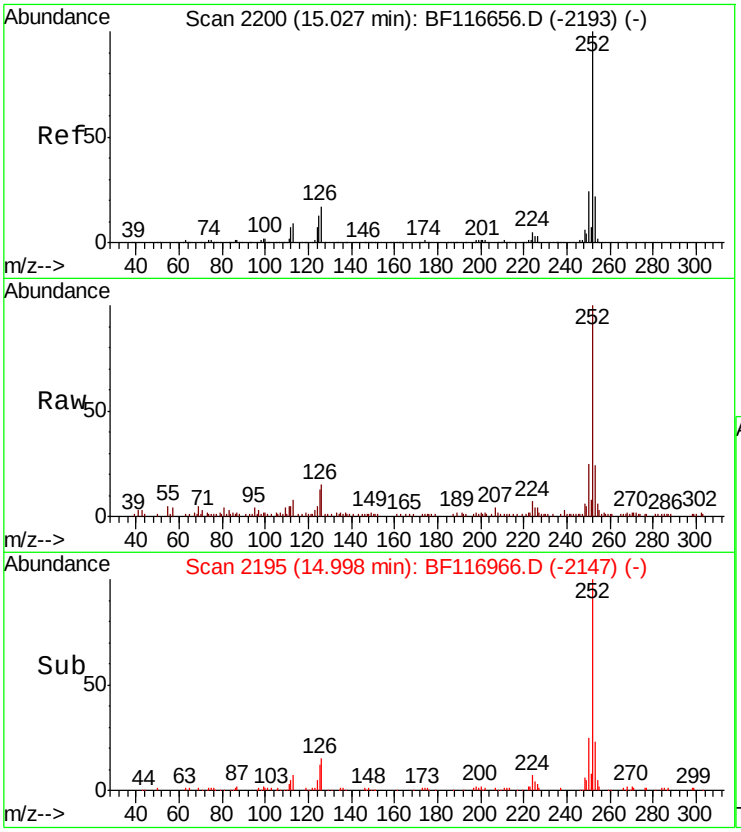


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:264 Resp: 182787

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.3	27.5
265	23.4	16.5	24.7

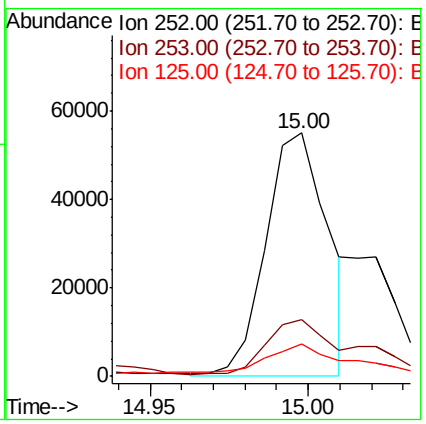




#88
Benzo(b)fluoranthene
Concen: 6.783 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:252 Resp: 74959

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	13.2	8.2	12.2#



Instrument :
BNA_F
ClientSampleId :
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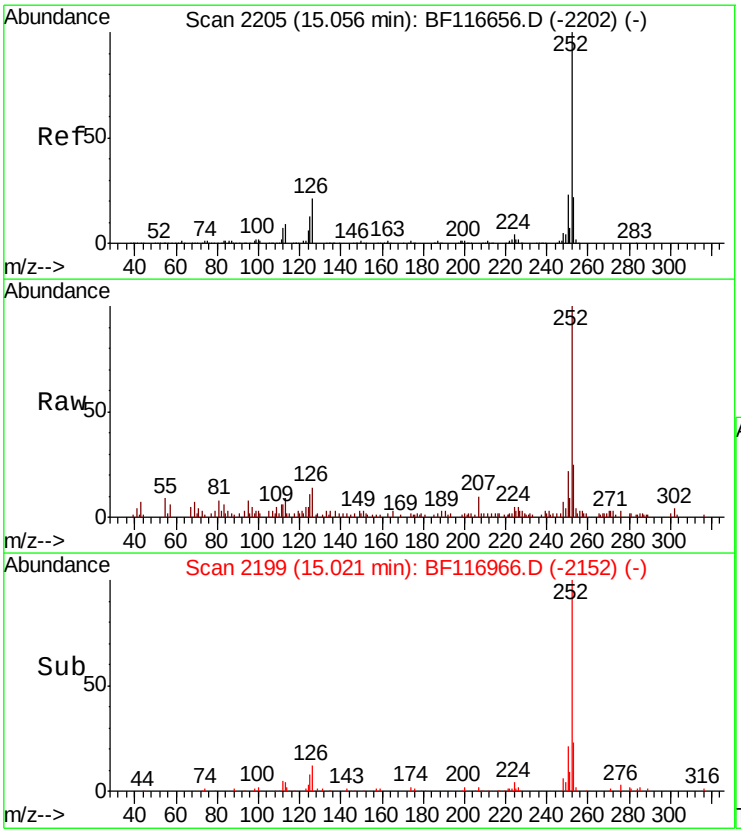
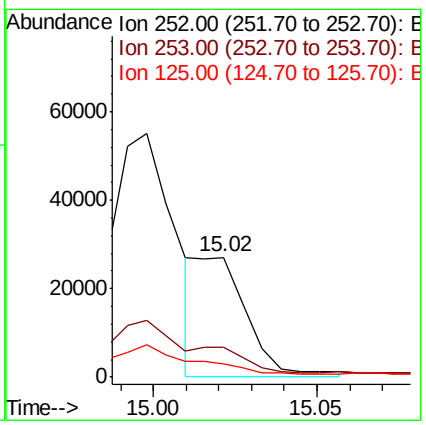
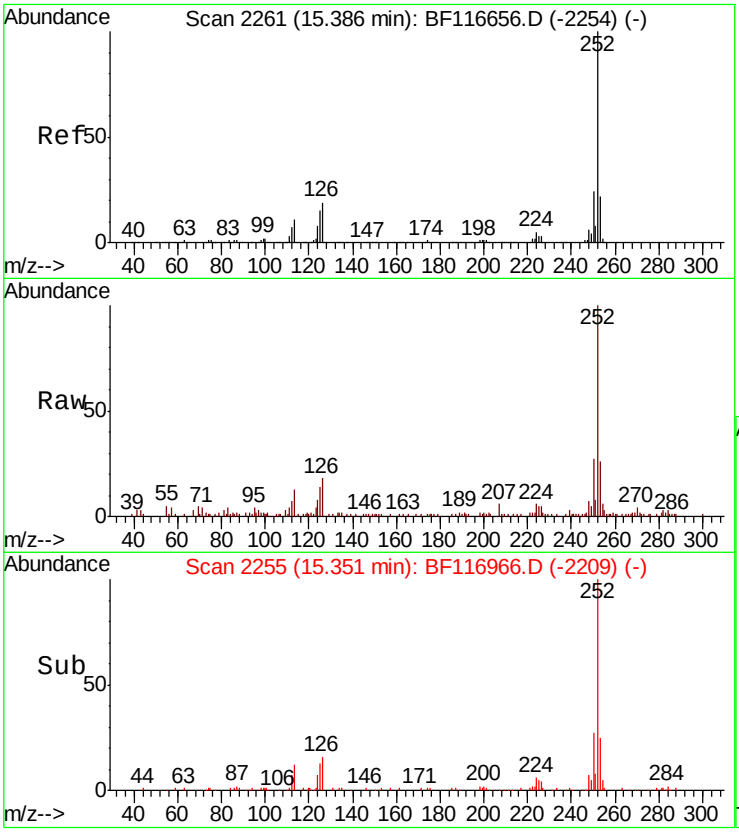


#89
Benzo(k)fluoranthene
Concen: 2.881 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:252 Resp: 29034

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	11.4	8.6	13.0

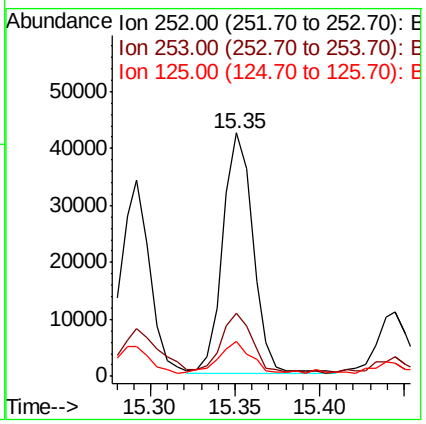




#90
Benzo(a)pyrene
Concen: 5.528 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.03 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:252 Resp: 53152

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	14.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
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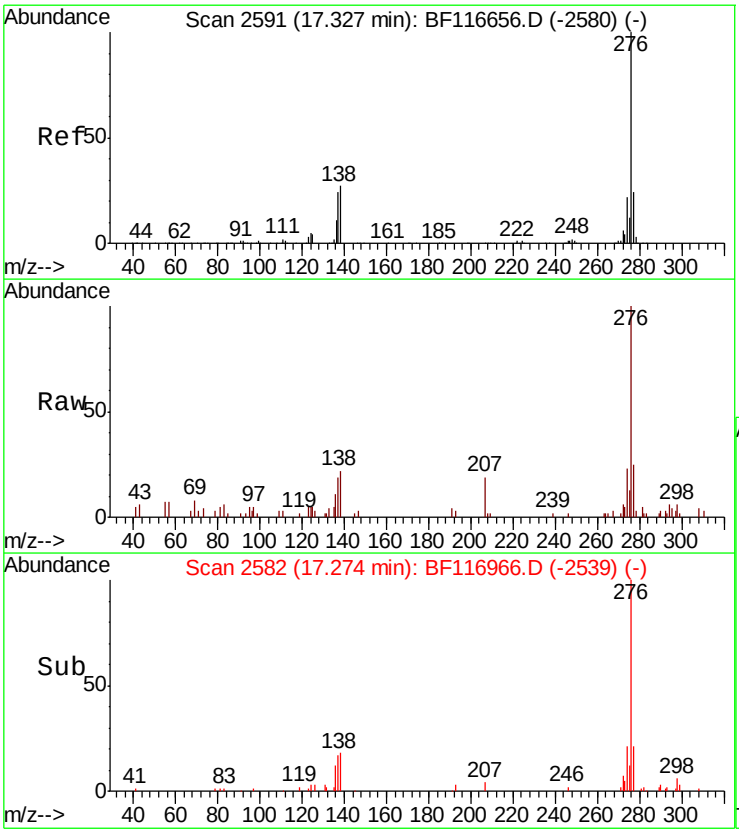

#92
Benzo(g,h,i)perylene
Concen: 3.728 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.05 min
Lab File: BF116966.D
Acq: 12 Sep 2019 00:14

Tgt Ion:276 Resp: 31998

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.5	27.7
138	22.2	16.2	24.2